

Converting Colors

$Y_{xy}(100.0000, 0.3271, 0.4150)$

Have a look what the booklet for
Yxy(100.0000, 0.3271, 0.4150)
contains.

Yxy(90.1679, 0.3292, 0.4014)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.1679, 0.3292, 0.4014)

Conversions

Conversions Part 1

Format	Color
Hex	DBFFBB
RGB	219, 255, 187
RGB Percent	86%, 100%, 73%
CMY	0.1411, 0.0000, 0.2667
CMYK	0.14, 0.00, 0.27, 0.00
HSL	92°, 100%, 87%
HSV	92°, 27%, 100%
XYZ	73.9494, 90.1679, 60.5163
YIQ	236.4840, 0.3720, -28.7800

Conversions

Conversions Part 2

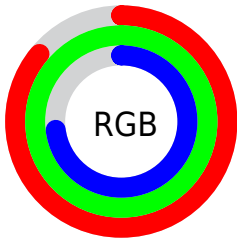
Format	Color
RYB	187, 255, 223
Decimal	14417851
CIELab	96.07, -23.17, 28.78
CIELCh	96, 36.951, 128.842
Yxy	90.1679, 0.3292, 0.4014
Android (android.graphics.Color)	4292607931 (0xFFDBFFBB)
YUV	236.4840, -24.3956, -15.3335
Hunter-Lab	94.9568, -27.1642, 28.6840

Details

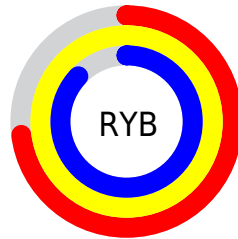
The Yxy color **90.1679, 0.3292, 0.4014** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.4405, 0.2917, 0.2574**, and the grayscale version is **84.4675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **49.8682, 0.3318, 0.4186** is the 20% darker color. If you saturate the color by 10%, you get **87.1667, 0.3346, 0.4316**, and if you desaturate by 10%, it is **93.5404, 0.3232, 0.3725**.

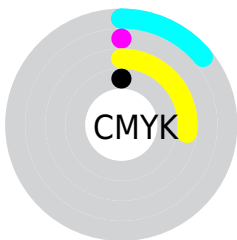
Distribution



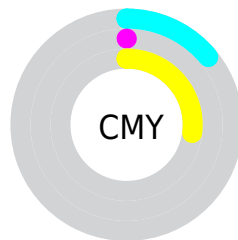
- Red (86%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (87%)



- Cyan (14%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1679, 0.3292, 0.4014 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 90.1679, 0.3292, 0.4014 by changing the saturation by 10% instead.


 90.1679, 0.3292,
0.4014

 90.1679, 0.3292,
0.4014


528.5769, 0.3226,
0.3680

 68.1199, 0.3305,
0.4090

 147.5716, 0.3271,
0.3899

 49.9953, 0.3319,
0.4182


183.6961, 0.3262,
0.3854

 35.4097, 0.3335,
0.4299


225.2815, 0.3255,
0.3815

 23.9786, 0.3352,
0.4450

272.7123, 0.3248,
0.3781

 15.3178, 0.3369,
0.4652

326.3729, 0.3242,
0.3751

 9.0427, 0.3382,
0.4934

386.6475, 0.3236,

 4.7690, 0.3373,

0.3725

0.5349

453.9207, 0.3231,
0.3701

■ 2.1124, 0.3540,
0.6460

■ 0.6716, 0.0975,
0.9025

■ 90.1679, 0.3292,
0.4014

■ 90.1679, 0.3292,
0.4014

■ 87.1667, 0.3346,
0.4316

■ 93.5404, 0.3232,
0.3725

■ 84.5107, 0.3389,
0.4623

■ 97.2857, 0.3169,
0.3457

■ 82.1885, 0.3418,
0.4921

99.9992, 0.3127,
0.3290

■ 80.1834, 0.3428,
0.5193

■ 78.4768, 0.3417,
0.5425

■ 77.0474, 0.3385,
0.5602

■ 75.8695, 0.3333,
0.5720

■ 75.5216, 0.3314,
0.5751

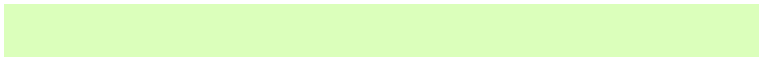
Harmonies

Analogous

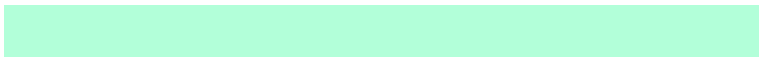
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1679, 0.3672, 0.4003



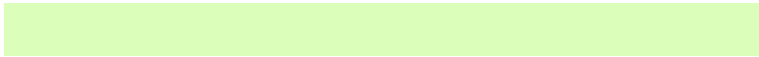
90.1679, 0.3292, 0.4014



90.1679, 0.2884, 0.3788

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1679, 0.3292, 0.4014



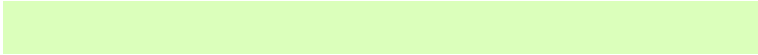
90.1679, 0.2391, 0.2736



90.1679, 0.3721, 0.3146

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90.1679, 0.3292, 0.4014



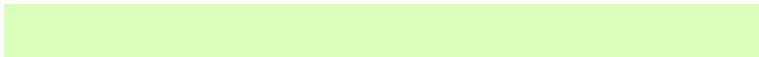
58.4405, 0.2917, 0.2574

Split Complementary

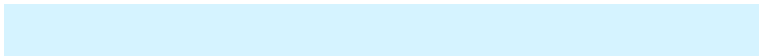
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1679, 0.3340, 0.2858



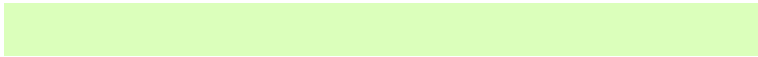
90.1679, 0.3292, 0.4014



90.1679, 0.2581, 0.2622

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



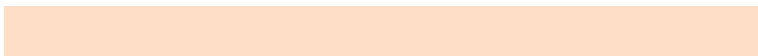
90.1679, 0.3292, 0.4014



90.1679, 0.2381, 0.3012



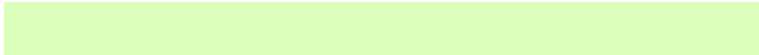
90.1679, 0.2921, 0.2670



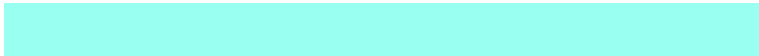
90.1679, 0.3936, 0.3481

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1679, 0.3292, 0.4014



90.1679, 0.2650, 0.3540



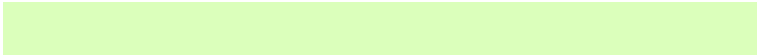
90.1679, 0.2921, 0.2670



90.1679, 0.3607, 0.3042

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90.1718, 0.3292, 0.4014



96.7658, 0.3178, 0.3491



77.1592, 0.3612, 0.3650



20.5877, 0.3187, 0.3531



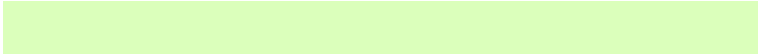
0.0000, 0.0000, 0.0000



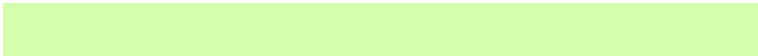
21.4041, 0.3127, 0.3290

Same Dimension

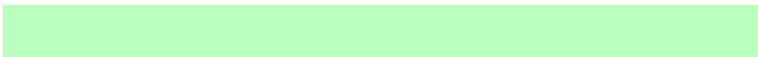
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1718, 0.3292, 0.4014



88.5262, 0.3322, 0.4174



85.7197, 0.3085, 0.4047



20.5877, 0.3187, 0.3531



39.5493, 0.3326, 0.5741



3.9152, 0.3413, 0.5672

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58.4405, 0.2917, 0.2574



51.9449, 0.2864, 0.2417



63.9455, 0.3167, 0.2634



17.8506, 0.3062, 0.3050



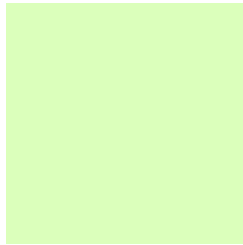
6.5481, 0.2078, 0.0919



0.7026, 0.2198, 0.0984

Previews

White Background



This preview shows how the Yxy color 90.1679, 0.3292, 0.4014 looks on a white background.

Color Contrast Check

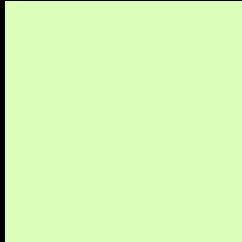
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 90.1679, 0.3292, 0.4014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

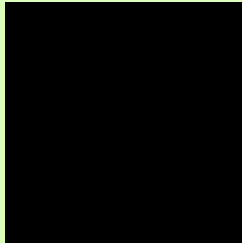
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

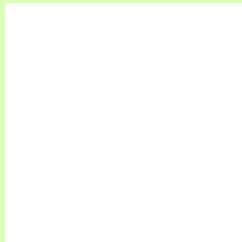
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1679, 0.3292, 0.4014

Background



This preview shows how black text looks on a background with the Yxy color 90.1679, 0.3292, 0.4014.

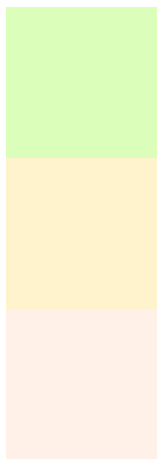


This preview shows how white text looks on a background with the Yxy color 90.1679, 0.3292, 0.4014.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90.1679, 0.3292, 0.4014

Protanopia

89.7690, 0.3445, 0.3668

Deuteranopia

89.9401, 0.3282, 0.3388



Tritanopia

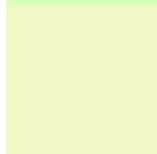
89.7542, 0.3012, 0.3181

Trichromacy



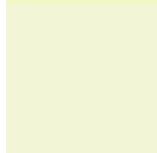
Original Color

90.1679, 0.3292, 0.4014



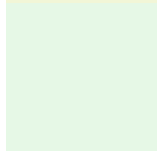
Protanomaly

89.4760, 0.3393, 0.3791



Deuteranomaly

89.6951, 0.3289, 0.3605



Tritanomaly

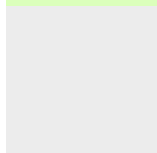
89.6710, 0.3119, 0.3474

Monochromacy



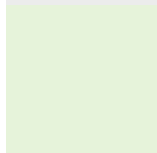
Original Color

90.1679, 0.3292, 0.4014



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.9861, 0.3193, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1679, 0.3292, 0.4014 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(219, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 187)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(219, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 187) }
```

Border

The CSS property to change the border of an element to Yxy 90.1679, 0.3292, 0.4014 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 255, 187) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(219, 255, 187) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(219, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 255, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 255, 187); box-shadow:4px 4px 4px 4px rgb(219, 255, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1679, 0.3292, 0.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 187) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(219,  
255, 187) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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